



(19)

(11) Publication number:

09056387 A

Generated Document.

PATENT ABSTRACTS OF JAPAN

(21) Application number: **07213121**

(51) Int'l. Cl.: **C12P 17/02 C12N 5/04**

(22) Application date: **22.08.95**

(30) Priority:

(43) Date of application
publication: **04.03.97**

(84) Designated contracting
states:

(71) Applicant: **MITSUI PETROCHEM IND LTD**

(72) Inventor: **HARA YASUHIRO
YUKIMUNE TAKAHITO**

(74) Representative:

(54) PRODUCTION OF TAXANE TYPE DITERPENE

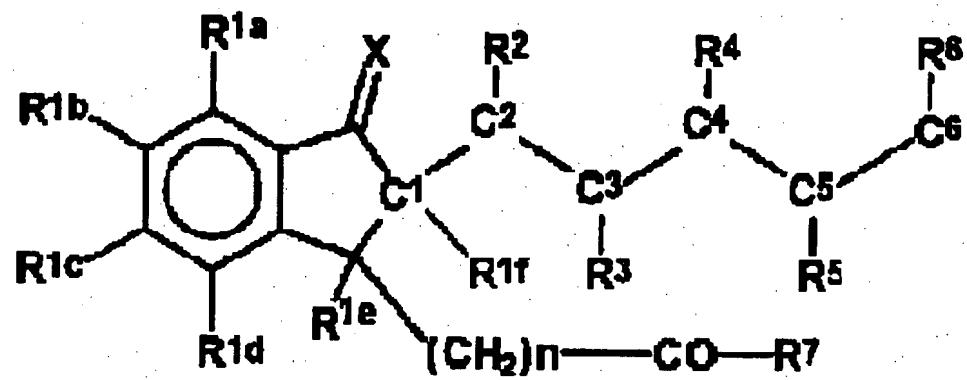
(57) Abstract:

PROBLEM TO BE SOLVED: To profitably obtain a taxane type diterpene useful for medicines for treating ovarian cancer, breast cancer, lung cancer, etc., by culturing the cells and tissues of a plant producing the taxane type diterpene in the presence of a specific compound and subsequently collecting the product from the obtained culture product.

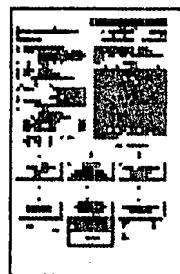
SOLUTION: A method for producing a taxane type diterpene comprises culturing the cells and/or tissues of a plant (e.g. *Taxus media*) producing the taxane type diterpene in the presence of a compound of the formula (R1a to R1b, R2 to R6 are each H, OH, a 1-12C alkyl, a 2-12C alkenyl, a 1-12C alkoxy, a 6-12C aryloxy, a \leq 12C (substituted) aryl, etc.; R7 is OH, OM [M is an alkali (alkaline earth) metal, NH4], NR8a, R8b (R8a, R8b are each H, a 1-12C acyl, a 1-12C alkyl, etc.,), OR9 (R9 is a 1-12C alkyl, a \leq 12C aryl, etc.,); X is O, N-Y (Y is H, OH, etc.,), OR11 (R11 is a 1-12C alkyl, a \leq 12C aryl, etc.,), etc.; n is 1-7), and subsequently recovering the product

from the obtained culture product.
Thus, the objective taxane type
terpene is profitably obtained.

COPYRIGHT: (C)1997,JPO



The Delphion Integrated View

[Buy Now: More choices...](#)Tools: [Add to Work File](#) [Create new Work File](#)View: [INPADOC](#) | Jump to: [Top](#)Go to: [Derwent...](#)[Email this to a friend](#)**Title:** [JP9056387A2: PRODUCTION OF TAXANE TYPE DITERPENE](#)**Country:** JP Japan**Kind:** A**Inventor:** HARA YASUHIRO;
YUKIMUNE TAKAHITO;[View Image](#)

1 page

Assignee: MITSUI PETROCHEM IND LTD[News, Profiles, Stocks and More about this company](#)**Published / Filed:** March 4, 1997 / Aug. 22, 1995**Application Number:** JP1995000213121**IPC Code:** C12P 17/02; C12N 5/04; A61K 35/78;**Priority Number:** Aug. 22, 1995 JP1995000213121**Abstract:**

PROBLEM TO BE SOLVED: To profitably obtain a taxane type diterpene useful for medicines for treating ovarian cancer, breast cancer, lung cancer, etc., by culturing the cells and tissues of a plant producing the taxane type diterpene in the presence of a specific compound and subsequently collecting the product from the obtained culture product.

SOLUTION: A method for producing a taxane type diterpene comprises culturing the cells and/or tissues of a plant (e.g. *Taxus media*) producing the taxane type diterpene in the presence of a compound of the formula (R1a to R1b, R2 to R6 are each H, OH, a 1-12C alkyl, a 2-12C alkenyl, a 1-12C alkoxy, a 6-12C aryloxy, a \leq 12C (substituted) aryl, etc.; R7 is OH, OM [M is an alkali (alkaline earth) metal, NH4], NR8a, R8b (R8a, R8b are each H, a 1-12C acyl, a 1-12C alkyl, etc.,), OR9 (R9 is a 1-12C alkyl, a \leq 12C aryl, etc.,); X is O, N-Y (Y is H, OH, etc.,), OR11 (R11 is a 1-12C alkyl, a \leq 12C aryl, etc.,), etc.; n is 1-7), and subsequently recovering the product from the obtained culture product. Thus, the objective taxane type diterpene is profitably obtained.

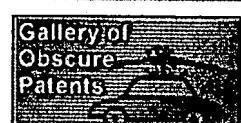
COPYRIGHT: (C)1997,JPO

Family:

None

Other Abstract Info:

DERABS C97-206633 DERC97-206633


Inquire
Regarding
Licensing[this for the Gallery...](#)[Nominate](#)